Full Stack Software Developer

**(Python/ Angular/AWS )**

➢7+ years of experience in design, implementation and testing of enterprise applications through the use of Python, **Flask**, **Angular**  and **AWS**

➢Proficiency with Python, **HTML5**, **Angular 2+,** **JSON**, **Javascript**, **Bootstrap**

➢Experience creating web applications with the use of **Flask** and Python

➢Experience in **Object-Oriented Programming** in Python

➢Created several front-end applications with the use of **Angular**, **HTML5** and **CSS**. Used **HTTP** client service to retrieve data in JSON format from my databases

➢Use of **NPM** (Node Package Manager) to manage and install Node JS modules such as Express, mongoose and body-parser

➢ Machine learning in Python and its use of libraries such as **SciPy**, **NumPy**, **Pandas**, **sklearn**, **Gensim**

➢Good communication and organizational skills

➢Knowledge of web app creation using the web application framework, Flask  
➢ Working experience on Amazon Web Services (**AWS**) Cloud services like **EC2**, **S3**, **EBS**, **VPC**, and **IAM**.  
➢ Strong knowledge on Cloud Computing, and Web services  
➢Experience with databases such as **MySQL**, **MongoDB**, **postgresql**, **Oracle**  
➢ Experience in implementing Continuous Integration and deployment using various Cloud Integration Tools like **Jenkins** & configuration management tools like **Chef**.  
➢ Worked with version/source management tools like **GIT**.   
➢ Knowledge in **Linux**/**Unix** system Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Migration, troubleshooting.  
➢ Starting a Release and Software Configuration Management process including setting up and implementing branching, check in, build and deployment process.  
➢ Developing scripts for build, deployment, maintenance and related tasks using Jenkins, **Docker**, Python and Bash.  
➢ Complete understanding **of Software Development Life Cycle** with Agile Methodologies.  
➢Complete the tasks assigned on time. Willing to learn the new technologies and skills

**Skill Matrix:**

**BackEnd: Python, Python-Flask, Flask-Restful, Flask-Blueprint**

**FrontEnd: Angularjs, Angular 2+, Bootstrap, CSS3, HTML5, JQuery, Javascript**

**Cloud: AWS, Lambda, S3, EC2, StalkBeanStalk and etc.**

**System/Platform: Unix/Linux, Windows**

**Tools: Vi, Atom, blime, Git, SVN, Apache, JIRA, Postman**

**Databases: Oracle, SQL Server, MySql, OrPostGreSql, MongoDb, DynamoDb**

**CI/CD: Jenkins, Chef, Docker, PipeLines**

**Professional Work Experience**

**Full Stack Software Developer (Python/Angular)**

**Thermo Fisher, Austin, TX Feb 2018 to Current**

Responsibilities:

* Gathered requirements and features from client. Implementation in Python for use in **Flask**.
* Decoupling existing projects from Template based UI to separated UI with **Angular 4**
* Designed the application using **TypeScript**, **Python** and **Angular 4**
* Participated in the requirements analysis and technical assessments to make it user-friendly. Involved in the process Design, Development, Testing and Maintenance phases of Software Development Life Cycle.
* Build ABIF-FSA **binary file** **parser** with Python
* Worked with **Docker**, Windows 12 Hyper-V as deployment container.
* Used **GIT** for version control
* Used **Jira**, **Crucible** and etc. as project management and code review tools.
* Documented every step of the development process for future reference.
* Deploy multiple applications through **AWS**
* Wrote Python functions in **Flask**, Python **Flask-Blueprint**, Python **Flask-restful**
* Wrote Python **selenium** script to perform automated testing program
* Use of **TypeScript**, HTML, CSS for the design of interactive web pages
* Use of Angular for the Information Reporting module to create components and add meaningful behavior to those components in sub-modules.
* Use of Angular 's HTTP Service to get data from Python Flask backend
* Managing task queue with python **Celery**.
* Use of **Rxjs** Subject and Observer to communicate between independent components.
* Tested project through the use of **unittest**, **nose** a module in **Python**
* Optimized the code of reusability using the decorators and injecting the services to access those in any components by using the property called providers in Angular Components.
* Work closely with BioFormatic team integrating projects into the production
* **AWS** environment and ensure their ongoing support.

Environment: Python, Python flask, flask-restful, flask-blueprint HTML5, CSS3, JavaScript, AngularJS 2, JQuery, BootStrap, AJAX, JSON, APACHE, AWS EC2, Vim, Bitbucket, Docker

**Full Stack Software Developer (Python/Angular)**

**Pfizer - NJ, Jan 2016 to Jan 2018**

* Designed and developed the application with Angular, Bootstrap CSS framework along with **Python Flask**, **Flask-restful**, **Flask-blueprint**
* Developed Flask RESTful API for the backend logic
* Assisted in designing and programming of databases with Python/Flask Framework
* Used Flask to create an admin page that allows for the customization of inventory and customers
* Setup automation testing bed along with **Jenkins**
* Development and Maintain legendry project with **angular 2**
* Extensively used Python modules such as **Requests**, **urllib**, and **urllib2** for web crawling.
* Involved in building database Model, APIs and Views with the use of Python, in order to build an interactive web-based solution
* Employed **Angular 2**, Bootstrap along with Python Flask to create a dynamic application
* Created REST API's using **Flask-Restful** Framework and accessed this APIs in the frontend.
* Application was deployed with the use of **AWS** code deploy
* Involved in the development of front end of the application with the use of JavaScript, HTML, CSS and JSON
* Managed datasets **MongoDB**, performed MongoDB database queries from python using **Pymongo**
* Employed **Angular 2**, Bootstrap along with Python Flask to create a dynamic application
* Significantly improved report generation efficiency by caching, reusing and improve the security level of data
* Working in AWS **VPC** environment with **EC2**, **DynamoDb**, AWS **Lambda** and etc.
* Worked with **GIT** version control system for maintaining code versions
* Deployed product on with **Bitbucket Pipeline** on **AWS EC2** instances
* Implemented monitor on new **EC2** instances launcher with AWS **Lambda** function, Python **Boto3**

Environment: Python, Flask, HTML5, CSS3, JSON, JavaScript, Restful Web services, Git, MongoDB, Bootstrap 3

**Full Stack Software Developer (Python/Angular)**

**Pure Storage - NY Aug 2014 to Jan 2016**

Responsibilities:

* Gathered all the necessary requirements from the project such as product descriptions and order types
* Implementation of code through the use of Python and **Flask**.
* Tested project through the use of **unittest**, a module in **Python**
* Created application using Python, **Flask** Framework and **MySQL** Database
* Used Python and **Flask** to interface with the JavaScript UI and manage the storage and deletion of content.
* Developed a RESTful web services using Python and Flask to retrieve and save data
* Used interaction and data presentation pages developed with HTML, CSS and JavaScript
* Used **Postman** to test **CRUD** ( Create, Read, Update, Delete) functions of API.
* Managed relational database applications with UI designing services and Flask Framework
* Worked with other developers and project team during design and development phase to ensure built for testability.
* Used **Git** version control system to collaborate and coordinated commits with team members.
* Created Python scripts to automate **AWS** services which include web servers, ELB, security groups and application configuration.
* Deploy applications on **AWS** by using **ElasticBeanstalk**.
* Migrated applications to the **AWS** cloud.
* Involved in maintaining and editing Python scripts for application **deployment automation.**
* Using AWS **Boto3** built tools that automated AWS server provisioning, automated application deployments, and implemented basic failover between regions.

Environment: Python, Flask, HTML5, CSS3, JSON, JavaScript, Restful Web services, Git, MongoDB, Bootstrap 3

**Full Stack Software Developer (Python/Angularjs)**

**Pinnacle Foods Jersey City - Jersey City, NJ Aug 2013 to Jul 2014**

Responsibilities:

* Designed and developed the application with **AngularJs**, **Bootstrap** **CSS** framework along with Python **Flask**, **Flask-Restful** and **Flask-Blueprint**
* Organizing application with Python **Flask-Blueprint**
* Developed Flask RESTful API for the backend logic
* Designing and programming of databases with Python/**Flask** Framework
* Used Flask to create an admin page that allows for the customization of inventory and customers
* Application was deployed with the use of AWS code deploy
* Creation of AWS account, creating users and allocation of user policy to individual user.
* Worked on Amazon Web Services (**EC2, S3, Lambda, IAM, Cloud Watch, SNS**)
* Creating shell scripts based on the requirements, scripts worked on are used for Database backup and Recovery, Filtering the log files accordingly to the requirement.
* Installing and Upgrading **Red Hat** Enterprise Linux on Physical and Virtual Machines.
* Working with different roles of people such as business analysts, development team.
* Created **Bash** Shell Scripts to automate routine server maintenance jobs.
* Created Python scripts used to generate reports.
* Working on different tickets assigned by manager in fixing the issues on servers.

Environment:  
AWS, CentOS Linux, shell scripting, Angularjs, Python-Flask

Education

Master on Computer Science

Skills

Amazon Web Services, IAM, S3, EBS, AWS SDK, Boto3, Cloudwatch, Chef, Apache HTTPD, JSON, Jenkins, python, shell scripting, CI & CD, knife and Chef, AWS, ELB, S3, python scripts, IAM, Angular 2+, CSS3, HTML5, Bootstrap